

CUET UG 2026

**Computer Science
Informatics Practices**

**TOP 50
PYQ + MCQ**

PART 3

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**Previous Year
Questions**
**Section
A+B1+B2**

**DOMAIN /
LATERAL
STUDENTS**

Q.51

Arrange the following stages from creating a digital footprint to being aware of its impact:

(A). Understand that online activities leave a data trace.

(B). Engage in online activities such as browsing and posting.

(C). Realize that digital footprints can be used to trace users and their activities.

(D). Be cautious about what you write, upload, or download online.

Choose the **correct** answer from the options given below:

1. (A), (B), (C), (D)

2. (B), (A), (C), (D)

3. (B), (A), (D), (C)

4. (A), (B), (D), (C)

B A C D
②

Options 1. 1

2. 2

3. 3

4. 4

Q.52

Which of the following is not a valid plotting function in pyplot?

1. scatter()

2. barh()

3. boxplot()

4. line()

4

Options 1. 1

2. 2

3. 3

4. 4

Q.53

Arrange the following steps in the correct order to start using Matplotlib:

(A). `import matplotlib.pyplot as plt`

(B). Use pip install matplotlib in the command prompt

(C). Start plotting using `plt.plot()`

(D). Understand the components of a plot (figure, axes, etc.)

Choose the **correct** answer from the options given below:

1. (B), (D), (A), (C)
2. (A), (D), (B), (C)
3. (B), (A), (D), (C)
4. (A), (B), (C), (D)

B A D C

3

Options 1. 1

2. 2

3. 3

4. 4

Q.54

Write the output produced by the following SQL command:

SELECT ROUND(342.9234, -1);

- 1. 340
- 2. 342.9
- 3. 342.90
- 4. 340.0

342.9234
1

342
31

-1
340

→ Tens

Options 1. 1

2. 2

3. 3

4. 4

Q.55

Intellectual Property Right which is usually granted for inventions is known as ____.

1. Copyright
2. Licensing
3. Trademark
4. Patent

IPR

4

Patent

Options 1. 1

2. 2

3. 3

4. 4

Q.56

✓ ✓ Which function extracts the year value from a date?

1. CURRENT()

2. DAY-YEAR()

3. YEAR() ✓ ✓

4. MONTH()

11/01/2021

3

Options 1. 1

2. 2

3. 3

4. 4

Q.57

Identify the attributes of Pandas Series that assigns a name to the Series 'ser1'.

1. ser1.name
2. ser1.index.name
3. Series.name
4. pandas.name

ser1.name

1

Options 1. 1

2. 2

3. 3

4. 4

Q.58

A web server whether it is a local server or a cloud server when connected to the Internet is assigned a unique numeric address on the Internet called _____ address.

1. WEB
2. MAC
3. IP
4. DNS

Options 1. 1

2. 2

3. 3

4. 4

3

ip

ip

Server

ip

Q.59

Consider the following DataFrame: 'Product'

ITNO	BRAND	PRICE	ITEM
101	WHIRLPOOL	20000	WASHING MACHINE
109	LG	1000	TELEVISION
120	H&M	3000	BLAZER
111	LG	7000	TELEVISION

Write the python code to display the maximum price of LG TV.

1. Product[['LG']].max()
2. Product[Product.BRAND=='LG'].max()
3. Product[BRAND]='LG'.max()
4. Product[Product.BRAND=='LG'].max()

5/5
4
stms

Q.60

Which of the following command is used to install Pandas from command line?

1. pip install pandas with pd
2. pip install pandas
3. pip install panda
4. pip install pandaslib

pip install pandas

- Options
1. 1
 2. 2
 3. 3
 4. 4

2

Q.61

`https://www.mhrd.gov/`

SSL ✓✓

In the above URL, `https` is the _____ name.

1. protocol ✓✓

2. subdomain

3. domain

4. browser

Hyper Text Secure
Transfer Protocol ✓✓

1

Q.62

Based on the geographical area covered and data transfer rate, computer networks are broadly categorised as:

(A) MAN

(B) PAN

(C) LAN

(D) WAN

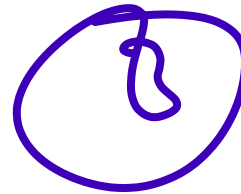
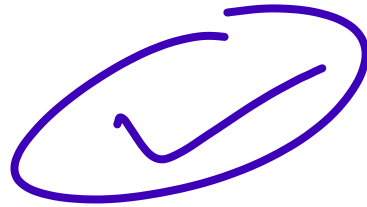
Choose the **correct** answer from the options given below:

1. (A), (C) and (D) only

2. (A) and (D) only

3. (A), (B), (C) and (D)

4. (A) and (C) only



Q.63

Which attribute of `plot()` function is used to set the style of line in a line chart?

1. `styliline`
2. `plotstyle`
3. `styleline`
4. `linestyle`

4

linestyle

Options 1. 1

2. 2

3. 3

4. 4

Q.64

Match **List-I** with **List-II**

List-I	List-II
(A) If a cartesian product is again applied on two tables, what will be the degree of the modified table?	(I) Combines tuples from two tables on specified conditions.
(B) JOIN operation	(II) Sum of the degrees of both the relations.
(C) UNION (U)	(III) To get the common tuples from two tables.
(D) INTERSECT (\cap)	(IV) To combine the selected rows of two tables at a time, if some rows are the same in both the tables, then the result will show those rows only once.

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (II), (C) - (I), (D) - (IV)
2. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

Handwritten annotations: A circled '1' with an arrow pointing to option 1, and two circled '2's.

Q.65

The G has issued a formal set of guidelines for proper handling and disposal of e-waste.

1. Information Technology Act
2. Department of Information Technology
3. Cyber Appellate Tribunal
4. Central Pollution Control Board

4

Options 1. 1

2. 2

3. 3

4. 4

Q.66

Cartesian product operation combines tuples from two relations. The cardinality of the resulting relation is calculated as _____

1. the higher cardinality out of the two relations on which cartesian product is applied.
2. the sum of the cardinality of relations on which cartesian product is applied.
3. the difference of the cardinality of relations on which cartesian product is applied.
4. the product of the cardinality of relations on which cartesian product is applied.

Options 1. 1

2. 2

3. 3

4. 4

4

Q.67

Match **List-I** with **List-II**

List-I	List-II
(A) Deleting Rows or Columns from a DataFrame.	(I) tail(n)
(B) Renaming Row Labels of a DataFrame.	(II) drop()
(C) Joining, Merging and Concatenation of DataFrames.	(III) rename()
(D) To display the last 'n' rows in the DataFrame.	(IV) append()

Manually

A → III

Choose the **correct** answer from the options given below:

- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
- (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
- (A) - (II), (B) - (III), (C) - (IV), (D) - (I)

4

✓

Q.68

_____ is the process of removing a substance from another substance by passing water through it.

1. E-Waste
2. Refurbishing
3. Leaching
4. Carcinogenic

Leaching

3

Options 1. 1

2. 2

3. 3

4. 4

Q.69

Which of the following are valid customization of pie chart?

(A) Explode ✓

(B) Whiskers ✗

(C) Autopct ✓

(D) legend ✓

Choose the **correct** answer from the options given below:

1. (A), (C) and (D) only ✓

2. (A), (B) and (D) only

3. (A), (B), (C) and (D)

4. (B), (C) and (D) only

1

Q.70

To host a website, arrange the following steps:

- (A) Identify a domain name, which best suits our requirement, and get it registered through domain name Registrar.
- (B) Upload the files in properly organised folders on the allocated space.
- (C) Get domain name mapped to the IP address of the web server.
- (D) Select the web hosting service provider that will provide the web server space as well as related technologies and services.

Choose the **correct** answer from the options given below:

- 1. (A), (B), (C), (D)
- 2. (D), (B), (C), (A)
- 3. (A), (B), (D), (C)
- 4. (D), (A), (B), (C)

A

D ABC

Q.71

What is the correct sequence of data flow in a star topology network when Computer 'A' sends data to Computer 'B'?

- (A). The central node (hub or switch) receives the data.
- (B). Computer 'A' sends the data to the central node.
- (C). The central node forwards the data to Computer 'B'.
- (D). Computer 'B' receives the data.

BACD

Choose the **correct** answer from the options given below:

- 1. (B), (A), (C), (D)
- 2. (A), (B), (C), (D)
- 3. (B), (A), (D), (C)
- 4. (A), (B), (D), (C)

①

Options 1. 1

2. 2

3. 3

4. 4

Q.72

Consider the following DataFrame: 'stationary':

ITNO	TYPE	PRICE	QTY
101	PENS	200	400
109	PENCILS	100	600
120	ERASERS	300	300
111	SHARPENERS	700	100
124	PENS	10	250

Run Code ==
MySQL / Python ==

State the output of the following command:

```
>>> stationary[stationary.TYPE=='PENS']['PRICE'].min(numeric_only=True)
```

1

- 1. PRICE 10
- 2. ITNO 101 PRICE 10 QTY 100
- 3. ITNO 124 PRICE 10 QTY 250
- 4. ITNO 101 PRICE 10 TYPE ERASERS QTY 100

Q.73

The mandatory libraries for facilitating import and export of data between Pandas and MySQL are:

(A) pymysql

(B) CSV

(C) DataFrame

(D) sqlalchemy

A, D

Choose the **correct** answer from the options given below:

1. (A), (B) and (D) only
2. (A), (C) and (D) only
3. (A), (B), (C) and (D)
4. (A) and (D) only

4

Options 1. 1

2. 2

3. 3

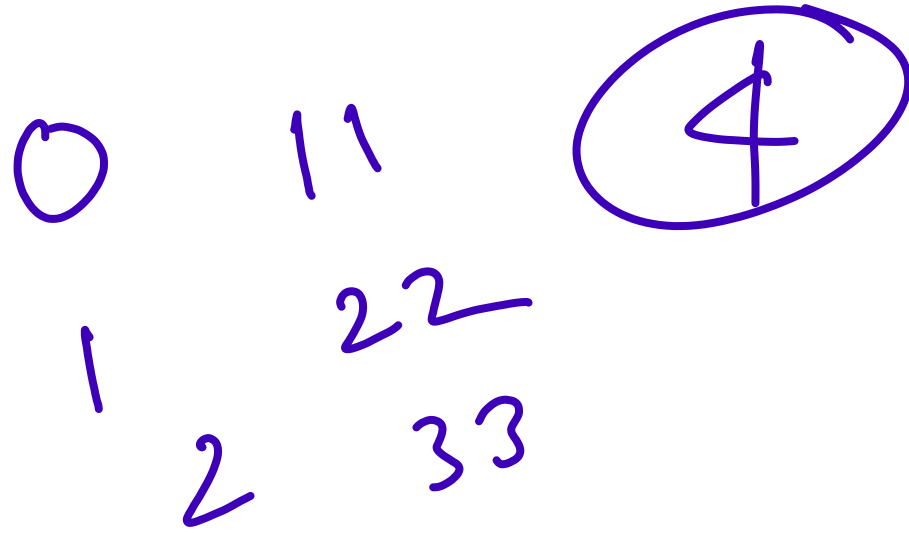
4. 4

Q.74

State the output of the following code.

```
import pandas as pd  
series1 = pd.Series(10, [11, 22, 33])  
  
print(series1)
```

- 1. 11 10 22 10 33 10
- 2. ValueError
- 3. 0 10 1 10 2 10
- 4. 0 11 1 22 2 33



- Options
- 1. 1
 - 2. 2
 - 3. 3
 - 4. 4

Q.75

Which of the following are well-established Python libraries?

(A) NumPy

(B) Pandas

(C) Matplotlib

(D) Series

Choose the **correct** answer from the options given below:

1. (A), (B) and (D) only
2. (A), (B) and (C) only
3. (A), (B), (C) and (D)
4. (B), (C) and (D) only

Series Object

Library
2

Q.76

Chatting or Instant Messaging (IM) over the Internet means communicating to people at different geographic locations in real time through text message(s). Identify the examples of instant messengers.

(A) WhatsApp

(B) Slack

(C) Yahoo Messenger

(D) Facebook Messenger

Choose the **correct** answer from the options given below:

1. (A), (B), (C) and (D)
2. (B), (C) and (D) only
3. (C) and (D) Only
4. (A), (C) and (D) only

1

Options 1. 1

2. 2

3. 3

4. 4

Q.77

Arrange the following statements in the proper order to plot a bar graph.

(A) save the graph.

(B) display the graph.

(C) import matplotlib library.

(D) import the records from CSV file in a dataframe.

Choose the **correct** answer from the options given below:

1. (D), (C), (B), (A)

2. (C), (D), (B), (A)

3. (D), (C), (A), (B)

4. (C), (B), (D), (A)

D C A B

3



Q.78

Which of the following command for a given dataframe 'ResultDF' will set all values in 'ResultDF' to 0?

1. ResultDF = 0
2. ResultDF.0
3. ResultDF[:] = 0
4. ResultDF[:] == 0

ResultDF[:] = 0

Options 1. 1

2. 2

3. 3

4. 4

3

Q.79

Write the output produced by the following SQL command:

```
SELECT pow(length("Informatics Practices"),1);
```

1. 0

2. 1

3. 21

4. 20

3

21

21

21, 1

21

1

Options 1. 1

2. 2

3. 3

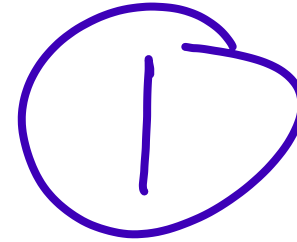
4. 4

Q.80

In _____ chart each column represents a range of values and the height of a column corresponds to how many values are in that range.

1. Histogram
2. Bar graph
3. Frequency polygon
4. Boxplot

Histogram



Options 1. 1

2. 2

3. 3

4. 4

Q.81

Which of the following function will display the descriptive statistical values in a single command?

1. DataFrame.describe[]
2. pandas.describe()
3. DataFrame_describe()
4. DataFrame.describe()

Options 1. 1

2. 2

3. 3

4. 4

Q.82

Match **List-I** with **List-II**

List-I	List-II
(A) <u>To display the variance of a DataFrame.</u>	(I) DataFrame.mode()
(B) <u>To display the value that appears the most number of times in a data.</u>	(II) DataFrame.var()
(C) <u>To display the middle value of of each column of a DataFrame.</u>	(III) DataFrame.mean()
(D) <u>To display the average of the values of each column of a DataFrame.</u>	(IV) DataFrame.Median()

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
2. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
3. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
4. (A) - (II), (B) - (IV), (C) - (I), (D) - (III)

2

Q.83

Match **List-I** with **List-II**

List-I	List-II
(A) <code>df.fillna(method='pad')</code>	(I) Will remove the entire row (object) having the missing value(s) from the DataFrame.
(B) <code>df.fillna(method='bfill')</code>	(II) Makes changes in the original DataFrame.
(C) <code>inplace=True</code>	(III) Replaces the missing value by the value after the missing value.
(D) <code>dropna()</code>	(IV) Replaces the missing value by the value before the missing value.

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)
3. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

2

Q.84

Active digital footprint includes data that we intentionally submit online. This would include:

(A) emails

(B) using a mobile App

(C) comments we post on social networking sites

(D) browse Internet

passive footprint

Choose the **correct** answer from the options given below:

1. (A), (B) and (D) only
2. (A) and (C) only
3. (A), (B), (C) and (D)
4. (A), (B) and (C) only

4

Q.85

Which type of value will not be considered by SQL while executing the following statement:

`SELECT COUNT(column name) FROM TABLE_NAME;`

1. Numeric value
2. Text value
3. Date value
4. Null value

4

Null
value

Options 1. 1

2. 2

3. 3

4. 4